INDEX TO Vol. IV (B).

AUTHORS' INDEX.

Asthana, R. P. .. Antagonism in fungi as a measure of control in 'Red-leg' disease of lettuce, 201.

Ayyangar, G. N. Rangaswami, Nambiar, K. Kunhi Krishnan, and Krishnaswamy, P. — Studies in *Dolichos lablab* (Roxb.) and (L.): The Indian field and garden bean, III, 411.

Ayyar, V. Ramanatha, and Balasubramaniam, R. — Inheritance of certain colour characters in gram (*Cicer arietinum*), 1.

Balasubramaniam, R. .. *See* Ayyar and Balasubramaniam.

Bhargava, H. R. .. The life-history of *Chenopodium album* Linn., 179.

Bhaskaran, T. R. .. Studies on the mechanism of biological nitrogen fixation—Part III. Economy of carbon during fixation of nitrogen by *Azotobacter chroococcum* Beij., 67.

Bhaskaran, T. R., and Subrahmanyan, V. — Studies on the mechanism of biological nitrogen fixation—Part IV. Nitrogen fixation by the mixed microflora of the soil in presence of the acid products of anærobic decomposition of carbohydrates, 163.

Dastur, J. F. .. .. A nematode disease of rice in the Central Provinces, 108.

Dastur, N. N. .. .. *See* Venkatasubban and others.

Iyengar, N. K., and Sreenivasaya, M. — Studies on inulinase, 171.

Iyer, C. R. Harihara, and Rajagopalan, R. — Estimation of nitrogen by fumeless digestion—Part III. Extension of chromo-sulphuric acid digestion to include large quantities of nitrates, 122.

Iyer, L. A. Krishna .. The primitive culture of Travancore, 435.
Anthropometry of the primitive tribes of Travancore, 494.

Johri, B. M. .. .. Studies in the family alismacæ—IV. *Alisma plantago* L., *Alisma plantago-aquatica* L., and *Sagittaria graminea* Mich., 128.
The life-history of *Butomopsis lanceolata* Kunth, 139.

Joshi, P. C. .. .. Anatomy of the vegetative parts of two Tibetan Caryophyllaceæ—*Arenaria musciformis* Wall., and *Thylacospermum rupifragum* Schrenk., 52.
Some phases of the life-history of two Tibetan Caryophyllaceæ—*Arenaria musciformis* Wall., and *Thylacospermum rupifragum* Schrenk., 471.

Kadam, B. S. .. .. Genic analysis of rice—I. Grain shedding, 224.
Genetics of the *Bansi* wheat of the Bombay-Deccan and a synthetic Khapli—Part I, 357.

Karnad, R.	*See* Venkatasubban and others.
Krishnaswamy, P. ..	*See* Ayyangar and others.
Lal, M. B.	A new species of the genus *Parorchis* from *Totanus hypoleucos*, with certain remarks on the family echinostomidæ, 27.
	A new genus of trematodes of the sub-family typhlocœlinæ from the shoveller duck, *Spatula clypeata*, 45.
	A new species of the genus *Levinseniella* from the Jack Snipe, *Gallinago gallinula*, 92.
Mahendra, B. C.	On two collections of the ophidian genus, *Cylindrophis* Wagler, 230.
	Contributions to the bionomics, anatomy, reproduction and development of the Indian house-gecko, *Hemidactylus flaviviridis* Rüppel, Part I, 250.
	A case of polymely in the Indian bull-frog, *Rana tigrina* Daud, 483.
Mello, I. F., and Vales, C.	*Hæmogregarina thyrsoideæ* N. Sp., parasite of the Indian eel *Thyrsoidea macrurus* Bleeker, 403.
Nambiar, K. Kunhi Krishnan	*See* Ayyangar and others.
Pithawala, M. B.	A geographical analysis of the Lower Indus Basin (Sind): Chapter I.—Physiography, 283; Chapter II.— The Indus—Its history, regimen and physics, 319.
Qadri, M. A. H.	Male genitalia of mallophaga infesting North-Indian birds, 454.
Rajagopalan, R.	*See* Iyer and Rajagopalan.
Randhawa, M. S.	Occurrence and distribution of the freshwater algæ of North India, 36.
	Contributions to our knowledge of the freshwater algæ of Northern India—I. Oedogoniales, 97.
	Three new species of *zygnema* from Northern India, 239.
	A note on some attached forms of *Spirogyra* from the Punjab, 246.
	A short note on an Indian variety of *Sphæroplea annulina* (Roth.) Agardh. var., multiseriata, var. nov., 405.
	A new species of *Cylindrocapsa* from India: *Cylindrocapsa œdogonioides* sp. nov., 408.
Rao, L. Rama	The Deccan Traps, 208.
Singh, Bahadur	The life-history of *Ranunculus sceleratus* Linn., 75.
Singh, B. N., and Singh, B. R.	Growth and water requirement of crop plants in relation to soil moisture, 376.
Singh, B. R.	*See* Singh and Singh.
Sreenivasaya, M. ..	*See* Iyengar and Sreenivasaya.
Subrahmanyan, V. ..	*See* Bhaskaran and Subrahmanyan.
Vales, C.	*See* Mello and Vales.
Venkatasubban, A., Karnad, R., and Dastur, N. N.	Urease activity of germinated seeds, 370.

TITLE INDEX.

Algæ, freshwater, of Northern India, contributions to our knowledge, I (Randhawa), 97.

Algæ, freshwater, of North India, occurrence and distribution (Randhawa), 36.

Alismacæ, family, studies, IV (Johri), 128.

Butomopsis lanceolata Kunth., life-history (Johri), 139.

Caryophyllaceæ, two Tibetan,—*Arenaria musciformis* Wall. and *Thylacospermum rupifragum* Schrenk.,—anatomy of the vegetative parts (Joshi), 52.

Caryophyllaceæ, two Tibetan,—*Arenaria musciformis* Wall. and *Thylacospermum rupifragum* Schrenk.,— some phases of the life-history (Joshi), 471.

Chenopodium album Linn., life-history (Bhargava), 179.

Colour characters, certain, inheritance, in gram (*Cicer arietinum*) (Ayyar and Balasubramaniam), 1.

Cylindrocapsa from India, a new species: *Cylindrocapsa œdogonioides* sp. nov. (Randhawa), 408.

Deccan traps (Rao), 208.

Dolichos lablab (Roxb.) and (L.), studies—The Indian field and garden bean, III (Ayyangar and others), 411.

Genetics of the *Bansi* wheat of the Bombay-Deccan and a synthetic Khapli, I (Kadam), 357.

Genic analysis of rice, I (Kadam), 224.

Genitalia, male, of mallophaga infesting North-Indian birds (Qadri), 454.

Hæmogregarina thyrsoideæ N. Sp., parasite of the Indian eel *Thyrsoidea macrurus* Bleeker (Mello and Vales), 403.

Hemidactylus flaviviridis Rüppel, Indian house-gecko, contributions to the bionomics, anatomy, reproduction and development (Mahendra), 250.

Indus Basin, Lower, (Sind), a geographical analysis, I, II (Pithawala), 283, 319.

Inulinase, studies (Iyengar and Sreenivasaya), 171.

Levinseniella, genus, a new species of the, from the Jack snipe, *Gallinago gallinula* (Lal), 92.

Nematode disease of rice in the Central Provinces (Dastur), 108.

Nitrogen, estimation, by fumeless digestion, III (Iyer and Rajagopalan), 122.

Nitrogen fixation, biological, studies on the mechanism, III (Bhaskaran), 67.

Nitrogen fixation, biological, studies on the mechanism, IV (Bhaskaran and Subrahmanyan), 163.

Ophidian genus, *Cylindrophis* Wagler, on two collections (Mahendra), 230.

Parorchis, genus, a new species of the, from *Totanus hypoleucos*, with certain remarks on the family echinostomidæ (Lal), 27.

Rana tigrina Daud, the Indian bull-frog, a case of polymely (Mahendra), 483.

Ranunculus sceleratus Linn., life-history (Singh), 75.

'Red-leg' disease of lettuce, antagonism in fungi as a measure of control (Asthana), 201.

Sphæroplea annulina (Roth.) Agardh, var., *Multiscriata*, var. nov., Indian variety, a short note (Randhawa), 405.

Spirogyra from the Punjab, a note on some attached forms (Randhawa), 246.

Travancore, anthropometry, of the primitive tribes (Iyer), 494.

Travancore, primitive culture (Iyer), 435.

Trematodes of the sub-family typhlocœlinæ, a new genus, from the Shoveller duck, *Spatula clypeata* (Lal), 45.

Urease activity of germinated seeds (Venkatasubban and others), 370.

Water requirement, growth, of crop plants in relation to soil moisture (Singh and Singh), 376.

Zygnema from Northern India, three new species (Randhawa), 239.

tain

.

na),

iety,

.

eller

and